

CHAPTER FIVE

Airport Improvement Program



CHAPTER FIVE - AIRPORT IMPROVEMENT PROGRAM

This section details the airport development program and identifies the proposed schedule for implementation of the Master Plan recommendations. The program was designed to expand existing facilities, to improve airport safety and capacity, and to provide a planned guide for airport development. Many aspects of the airport development program focused on helping the Fixed Base Operator (FBO) attract new flying customers, including a fly and camp area, creating a shuttle service to local hotels and Willcox attractions, and by establishing a priority for the development of additional aircraft hangars. Also of major importance is the long term durability of airport pavements, fueling facilities, and terminal building. The plan was structured to provide the flexibility to meet the long-term development needs and demands of the local service area.

The major components of the ultimate development plan are:

- Construct parallel taxiway
- Improve fueling facilities to comply with Federal Regulations
- Construction of hangars to provide additional storage for based aircraft
- Improve terminal building including ADA requirements
- Expand aircraft apron and tiedown areas
- Continued pavement maintenance
- Establish "Fly and Camp" area
- Establish private shuttle service to Willcox
- Improve Directional Signage to Airport and Auto Parking Improvements

PHASED DEVELOPMENT

The following improvements recommended by phase -- short, intermediate and long-term -- represent an orderly development program that will maintain and yield a safe, efficient, and attractive public facility in the most economical manner. The scheduling of projects within each phase will depend on the relative priority of airport development among other County development projects and services. Also, the ability and willingness of local business and industry to lend support to the airport development program are important factors in realizing airport improvements.

COST ESTIMATES

Cost information was collected from government agencies, contractors, and from similar recent airport construction projects in the area. Estimates for each planning period are based on April, 1997 dollars. A 25% contingency overhead for engineering and administration has been added to each phase of the development program.

Development Summary Short-Term (1998-2002)

1. RUNWAYS AND TAXIWAYS

- Crackfill pavements
- Slurry seal Runway 03-21
- Mark Runway 03-21
- Slurry seal access taxiway
- Construct partial parallel taxiway
- Purchase easement for Runway 21 RPZ (approx. 3 acres)
- Reopen Runway 14-32 as "turf"

2. TERMINAL AREA

- Pave 10 auto parking spaces including ADA requirements
- Weed kill and pave around runway lights
- Crackfill apron
- Slurry seal apron
- Expand apron by 2,500 S.Y.
- Upgrade fuel tanks
- Install pilot activated light system
- Improve directional signage to airport
- Improve entrance aesthetically
- Establish pavement maintenance program
- Adopt Part 77 Airspace Zoning Ordinances
- Remove abandoned trailer
- Repair shade hangar
- Complete ADOT recommended wind study
- Establish fly and camp area
- Establish hangar development procedures
- New roof on terminal
- Fencing around terminal and hangars with gated access
- Improve lighting at terminal area
- Pave under shade and T-hangars
- Top trees at terminal
- Remove overgrown mesquite

COCHISE COUNTY AIRPORT

Airport Master Plan

Table 5.1
Cochise County Airport
Development Summary
(1998-2002)

Item	Private Cost	Local Cost (10%)	Federal/State Cost (90%)	Total Cost
Runways and Taxiways				
Crackfill Pavements	\$0	\$4,500	\$40,500	\$45,000
Slurry Seal R/W 3-21	0	21,600	194,400	216,000
Mark R/W 3-21	0	1,800	16,200	18,000
Slurry Seal Access T/W	0	2,400	22,600	24,000
Construct Partial Parallel T/W	0	37,000	333,000	370,000
Purchase Easement for R/W 21 RPZ	0	450	4,050	4500
Reopen R/W 14-32 as Turf	0	4,800	43,200	48,000
Terminal Area				
Pave 10 Auto Parking Spaces	0	7,000	0	7,000
Crackfill Apron	0	750	6,750	7,500
Slurry Seal Apron	0	2,250	20,250	22,500
Expand Apron by 2,500 SY	0	4,000	36,000	40,000
Upgrade Fuel Tanks	0	100,000	0	100,000
Install Pilot Activated Light System	0	1,000	9,000	10,000
Improve Directional Signage to Airport	0	1,500	0	1,500
Improve Entrance Aesthetically	0	5,000	0	5,000
Repair Shade Hangar	0	5,000	0	5,000
Establish Fly and Camp Area	0	1,000	9,000	10,000
New Roof on Terminal	0	4,000	0	4,000
Fencing with Gate	0	400	3,600	4,000
Improve Lighting at Terminal	0	500	4,500	5,000
Pave Under Hangars	0	23,000	0	23,000
TOTAL	\$ 0	\$ 227,950	\$ 742,050	\$ 970,000

* Items shown at 100% local cost are ineligible for federal or state grants.

Development Summary Intermediate Term (2003-2007)

1. RUNWAYS AND TAXIWAYS

- Slurry seal Runway 03-21
- Slurry seal partial parallel taxiway
- Slurry seal access taxiway
- Construct remaining portion of parallel taxiway
- Install Precision Approach Path Indicators (PAPI's)

2. TERMINAL AREA

- Construct 3 conventional hangars
- Remodel interior of terminal building including ADA requirements
- Construct 8-unit T-hangar

COCHISE COUNTY AIRPORT

Airport Master Plan

Table 5.2
Cochise County Airport
Development Summary
(2003-2007)

Item	Private Cost	Local Cost (10%)	Federal/State Cost (90%)	Total Cost
Runways and Taxiways				
Slurry Seal R/W 3-21	\$0	\$29,000	\$261,000	\$290,000
Slurry Seal Partial Parallel T/W	0	9,000	81,000	90,000
Slurry Seal Access T/W	0	2,800	25,200	28,000
Construct Remaining T/W	0	40,000	360,000	400,000
Install PAPI	0	3,000	27,000	30,000
Terminal Area				
Construct 3 Conventional Hangars	150,000	0	0	150,000
Remodel Interior of Terminal	0	10,000	0	10,000
Construct 8-Unit T-Hangar	240,000	0	0	240,000
TOTAL	\$390,000	\$ 93,800	\$ 754,200	\$ 1,238,000

* Items shown at 100% local cost are ineligible for federal or state grants.

Development Summary Long-Term (2008-2017)

1. RUNWAYS AND TAXIWAYS

- 2" Asphalt overlay Runway 03-21
- 2" Asphalt overlay parallel taxiway
- 2" Asphalt overlay access taxiway
- Mark pavements

2. TERMINAL AREA

- 2" Overlay apron
- Mark pavements
- Pave 4 additional auto parking spaces
- Construct 8-unit T-hangar
- Expand apron by 2,500 S.Y.
- Remove shade hangar

COCHISE COUNTY AIRPORT

Airport Master Plan

Table 5.3
Cochise County Airport
Development Summary
(2008-2017)

Item	Private Cost	Local Cost (10%)	Federal/State Cost (90%)	Total Cost
Runways and Taxiways				
2-Inch Asphalt Overlay R/W 3-21	\$ 0	\$ 50,000	\$ 450,000	\$ 500,000
2-Inch Asphalt Overlay Parallel T/W	0	28,000	252,000	280,000
2-Inch Asphalt Overlay Access T/W	0	4,000	36,000	40,000
Mark Pavements	0	3,000	27,000	30,000
Terminal Area				
2-Inch Asphalt Overlay Apron	0	6,000	54,000	60,000
Mark Pavements	0	500	4,500	5,000
Pave 4 Auto Parking Spaces	0	2,000	0	2,000
Construct 8-Unit T-Hangar	240,000	0	0	240,000
Expand Apron by 2,500 SY	0	5,000	45,000	50,000
Remove Shade Hangar	0	10,000	0	10,000
TOTAL	\$ 240,000	\$ 108,500	\$ 868,500	\$ 1,217,000

* Items shown at 100% local cost are ineligible for federal or state grants.

COCHISE COUNTY AIRPORT

Airport Master Plan

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